FIGURE 1

loci	allelic designation	size (bp)	loci	allelic designation	size (bp)	loci	allelic designation	size (bp)	loci	allelic designation	size (bp)
TH01	4	150	D8	7	157	D18	8	266	FGA (LMW)	16.1	173
	5	154		8	161		9	270		17	176
	6	158		9	165		10	274		18	180
	7	162		10	169		11	278		19	184
	8	166		11	173		12	282		20	188
	9	170		12	177		13	286		21	192
	9.3	173		13	181		14	290		22	196
	10	174		14	185		15	294		23	200
	11	178		15	189		16	298		24	204
	13.3	189		16	193		17	302		25	208
D21	53	203		17	197		18	306		26	212
	54	205		18	201		19	310		27	216
	56	209		19	205		20	314		28	220
	57	211	VWA	10	122		21	318		29	224
	59	215		11	126		22	322		30	228
	61	219		12	130		23	326		30.2	230
	63	223		13	134		24	330		31.2	234
	65	227		14	138		25	334		32.2	238
	67	231		15	142		26	338		33.2	242

	68	233		16	146		27	342		34.2	246
	70	237		17	150	AMELO	X	105		42.2	278
	72	241		18	154		Y	111		42.3	282
	74	245		19	158					44.2	286
	75	247		20	162					45.2	290
	77	251		21	166					46.2	294
	79	255								47.2	298
	81	259								48.2	302
										50.2	310

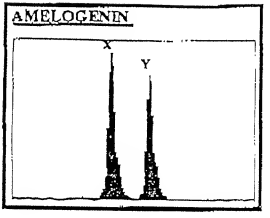

Fig 2a

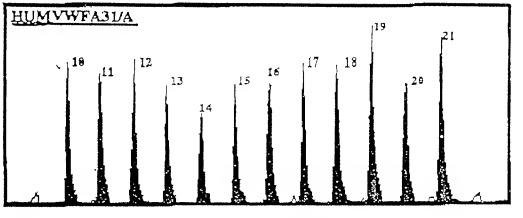

Fig 2b

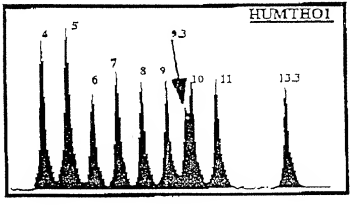

Fig 2c

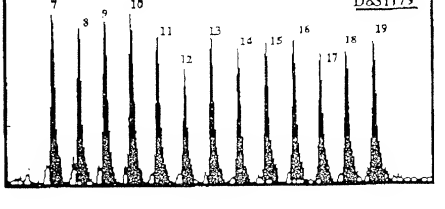

Fig 2d

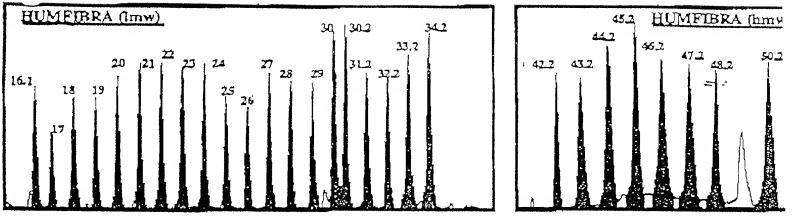

Fig 2e

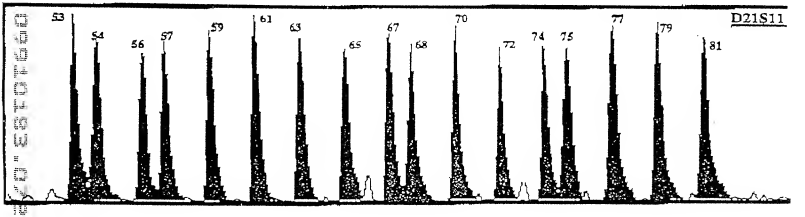

Fig 2f

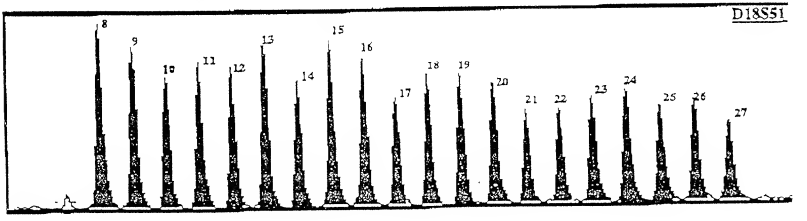

Fig 2g

HUMVWAF31/A sequences

Fig 3a

10 TCTA TCTG TCTA (TCTG)$_4$ (TCTA)$_3$

12 TCTA (TCTG)$_4$ (TCTA)$_7$

13 (TCTA)$_2$ (TCTG)$_4$ (TCTA)$_3$ TCCA (TCTA)$_3$ (TCCA)$_2$ T
(Note also that the 13 allele has a typical 3' flanking sequence (highlighted). The usual sequence is TCCA TCTA T.)

HUMTHO1 sequences

Fig 3b

13.3 (TCAT)$_4$ CAT (TCAT)$_7$ TCGT^{12th} TCAT

D8S1179 sequences

Fig 3c

7 (TCTA)$_8$;

19 (TCTA)$_2$ TCTG (TCTA)$_{16}$;

HUMFIBRA(FGA) Repeat Sequences

Fig 3d

16.1 (TTTC)$_3$ TTTT TTCT (CTTT)$_5$ T (CTTT)$_3$ CTCC (TTCC)$_2$.

27 (TTTC)$_3$ TTTT TTCT (CTTT)$_{13}$ CCTT (CTTT)$_5$ CTCC (TTCC)$_2$.

30 (TTTC)$_3$ TTTT TTCT (CTTT)$_{16}$ CCTT (CTTT)$_5$ CTCC (TTCC)$_2$.

31.2 (TTTC)$_4$ TTTT TT (CTTT)$_{15}$ (CTTC)$_3$ (CTTT)$_3$ CTCC (TTCC)$_4$.

32.2 (TTTC)$_4$ TTTT TT (CTTT)$_{16}$ (CTTC)$_3$ (CTTT)$_3$ CTCC (TTCC)$_4$

33.2 (TTTC)$_4$ TTTT TT (CTTT)$_{17}$ (CTTC)$_3$ (CTTT)$_3$ CTCC (TTCC)$_4$

42.2 (TTTC)$_4$ TTTT TT (CTTT)$_8$ (CTGT)$_4$ (CTTT)$_{13}$ (CTTC)$_4$ (CTTT)$_3$ CTCC (TTCC)$_4$

43.2 (TTTC)$_4$ TTTT TT (CTTT)$_8$ (CTGT)$_5$ (CTTT)$_{13}$ (CTTC)$_4$ (CTTT)$_3$ CTCC (TTCC)$_4$

44.2 (TTTC)$_4$ TTTT TT (CTTT)$_{11}$ (CTGT)$_3$ (CTTT)$_{14}$ (CTTC)$_3$ (CTTT)$_3$ CTCC (TTCC)$_4$

45.2 (TTTC)$_4$ TTTT TT (CTTT)$_{10}$ (CTGT)$_5$ (CTTT)$_{13}$ (CTTC)$_4$ (CTTT)$_3$ CTCC (TTCC)$_4$

47.2 (TTTC)$_4$ TTTT TT (CTTT)$_{12}$ (CTGT)$_5$ (CTTT)$_{14}$ (CTTC)$_3$ (CTTT)$_3$ CTCC (TTCC)$_4$

48.2 (TTTC)$_4$ TTTT TT (CTTT)$_{14}$ (CTGT)$_3$ (CTTT)$_{14}$ (CTTC)$_4$ (CTTT)$_3$ CTCC (TTCC)$_4$

D21S11 alleles

53 $(TCTA)_4$ $(TCTG)_6$ $(TCTA)_3$ TA $(TCTA)_3$ TCA $(TCTA)_2$ TCCATA (TCTA)$_6$ TCGTCT

54 $(TCTA)_5$ $(TCTG)_6$ $(TCTA)_3$ TCA $(TCTA)_2$ TCCATA $(TCTA)_9$ TCGTCT

56 $(TCTA)_5$ $(TCTG)_6$ $(TCTA)_3$ TCA $(TCTA)_2$ TCCATA $(TCTA)_{10}$ TCGTCT

57 $(TCTA)_4$ $(TCTG)_6$ $(TCTA)_3$ TA $(TCTA)_3$ TCA $(TCTA)_2$ TCCATA (TCTA)$_8$ TCGTCT

59 $(TCTA)_5$ $(TCTG)_5$ $(TCTA)_3$ TA $(TCTA)_3$ TCA $(TCTA)_2$ TCCATA (TCTA)$_9$ TCGTCT

61 $(TCTA)_4$ $(TCTG)_6$ $(TCTA)_3$ TA $(TCTA)_3$ TCA $(TCTA)_2$ TCCATA (TCTA)$_{10}$ TCGTCT

63 $(TCTA)_4$ $(TCTG)_6$ $(TCTA)_3$ TA $(TCTA)_3$ TCA $(TCTA)_2$ TCCATA (TCTA)$_{11}$ TCGTCT

65 $(TCTA)_6$ $(TCTG)_5$ $(TCTA)_3$ TA $(TCTA)_3$ TCA $(TCTA)_2$ TCCATA (TCTA)$_{11}$ TCGTCT

67 $(TCTA)_5$ $(TCTG)_6$ $(TCTA)_3$ TA $(TCTA)_3$ TCA $(TCTA)_2$ TCCATA (TCTA)$_{12}$ TCGTCT

68 $(TCTA)_5$ $(TCTG)_6$ $(TCTA)_3$ TA $(TCTA)_3$ TCA $(TCTA)_2$ TCCATA (TCTA)$_{11}$ TA TCTA TCGTCT.

70 $(TCTA)_5$ $(TCTG)_6$ $(TCTA)_3$ TA $(TCTA)_3$ TCA $(TCTA)_2$ TCCATA (TCTA)$_{12}$ TA TCTA TCGTCT

72 $(TCTA)_5$ $(TCTG)_6$ $(TCTA)_3$ TA $(TCTA)_3$ TCA $(TCTA)_2$ TCCATA $(TCTA)_{13}$ TA TCTA TCGTCT

74 $(TCTA)_5$ $(TCTG)_6$ $(TCTA)_3$ TA $(TCTA)_3$ TCA $(TCTA)_2$ TCCATA $(TCTA)_{14}$ TATCTA TCGTCT

75 $(TCTA)_{10}$ $(TCTG)_5$ $(TCTA)_3$ TA $(TCTA)_3$ TCA $(TCTA)_2$ TCCATA $(TCTA)_{12}$ TCGTCT

77 $(TCTA)_{11}$ $(TCTG)_5$ $(TCTA)_3$ TA $(TCTA)_3$ TCA $(TCTA)_2$ TCCATA $(TCTA)_{12}$ TCGTCT

79 $(TCTA)_{11}$ $(TCTG)_5$ $(TCTA)_3$ TA $(TCTA)_3$ TCA $(TCTA)_2$ TCCATA $(TCTA)_{13}$ TCGTCT

81 $(TCTA)_{13}$ $(TCTG)_5$ $(TCTA)_3$ TA $(TCTA)_3$ TCA $(TCTA)_2$ TCCATA $(TCTA)_{12}$ TCGTCT

Fig 3e

D18S51 sequences

8 $(AGAA)_8$

Fig 3F